

SEQUENCE LISTING

<110> Koprowski, Hilary
Yusibov, Vidadi

<120> Production Of Biomedical Peptides And Proteins In
Plants Using Plant Virus Vectors

<130> JEFF-KOP01.P0001

<140> Not Yet Assigned

<141> Herewith

<150> US 60/118,867

<151> 1999-02-05

<150> PCT/US99/25566

<151> 1999-10-29

<160> 28

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> PRT

<213> respiratory syncytial virus

<300>

<301> Bastien, N
Trudel, M
Simard, C

<302> Protective immune responses induced by the immunization
of mice with a recombinant bacteriophage displaying an
epitope of the human respiratory syncytial virus

<303> Virology

<304> 234

<306> 118-122

<307> 1997

<400> 1

Met	Ser	Phe	Val	Pro	Cys	Ser	Ile	Cys	Ser	Asn	Asn	Pro	Thr	Cys	Trp
1					5				10					15	

Ala Ile Cys Lys Arg Ile Pro Glu

20

<210> 2

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

gcgctc	gagc	atcatg	tcac	cctgcag	cat	atgcag	caac	aatcca
--------	------	--------	------	---------	-----	--------	------	--------

46

<210> 3

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3

cgcgctcgact tgcagatagc ccagcaggtt ggattgttg t 41

<210> 4

<211> 82

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 4

gcgctcgagg gtaccatgtc cgccgtctac acccgaatta tgatgaacgg aggacgactt 60
aagcgaccac cagaccagct tg 82

<210> 5

<211> 93

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 5

cgaggtaccc tcttcaccca caaggtgtc attttcgtcg gatcggaagt cgtgaagggtt 60
cacaagctgg tctggtggc gcttaagtcg tcc 93

<210> 6

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: A chimera of
an epitope G5-24 of rabies virus glycoprotein and
an epitope of rabies virus nucleoprotein

<400> 6

Met Ser Ala Val Tyr Thr Arg Ile Met Met Asn Gly Gly Arg Leu Lys
1 5 10 15

Arg Pro Pro Asp Gln Leu Val Asn Leu His Asp Phe Arg Ser Asp Glu
20 25 30

Ile Glu His Leu Val Val Glu Glu
35 40

<210> 7

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: A peptide to
suppress the synthesis of human growth hormone

<400> 7

Met Phe Cys Phe Trp Lys Thr Cys Thr

```

1          5

<210> 8
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
gcggaattcg tttttatttt taattttctt tcaattactt ccatcatgag ttctttctgt 60
ttctgaaa                                     69

<210> 9
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 9
gcgctcgagc gagtacacgt tttccagaaa cagaa                                     35

<210> 10
<211> 104
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: A peptide from
      colorectal cancer antigen GA733-2

<300>
<301> Gronenborn, B
      Gardner, R C.
      Schaefer, S
      Shepherd, R J.
<302> Propagation of foreign DNA in plants using cauliflower
      mosaic virus as vector
<303> Nature
<304> 294
<306> 773-776
<307> 1981

<400> 10
Met Thr Ala Thr Phe Ala Ala Ala Gln Glu Glu Cys Val Cys Glu Asn
 1          5          10          15
Tyr Lys Leu Ala Val Asn Cys Phe Val Asn Asn Asn Arg Gln Cys Gln
          20          25          30
Cys Thr Ser Val Gly Ala Gln Asn Thr Val Cys Ser Lys Leu Ala Ala
          35          40          45
Lys Cys Leu Val Met Lys Ala Glu Met Asn Gly Ser Lys Leu Gly Arg
          50          55          60
Arg Ala Lys Pro Glu Gly Ala Leu Gln Asn Asn Asp Gly Leu Tyr Asp
 65          70          75          80

```

Pro Asp Cys Asp Ser Gly Leu Phe Lys Ala Lys Gln Cys Asn Gly Thr
85 90 95

Ser Thr Cys Trp Cys Val Asn Thr
100

<210> 11
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 11
gcgctcgagg gtaccatgcg acggcgactt ttgccgca 38

<210> 12
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 12
gtcgacctgg taccagtgtt cacacaccag cagc 34

<210> 13
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 13
gcgctcgagt tcttcacaaa agaaagctgg tgggaaaagg taccgctggt aaacct 56

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 14
attaaaagag ctcagactc 19

<210> 15
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 15
gcgctcgagg gtaccatgtc ctttgtaccc tgcagcatat gcagcaacaa tcca 54

<210> 16
 <211> 54
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 16
 cgaggtaccc tctggtattc ttttcagat agcccagcag gttggattgt tgct 54

 <210> 17
 <211> 57
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 17
 gcggtacca tgttctgttt ctggaaaacg tgtactgctg gtaaacctac taaacgt 57

 <210> 18
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 18
 gcgctcgagc atcccttagg ggcattcatg ca 32

 <210> 19
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 19
 gcgctcgagg gtaccatgcg acggcgactt ttgccgca 38

 <210> 20
 <211> 34
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 20
 gtcgactgg taccagtgtt cacacaccag cacg 34

 <210> 21
 <211> 48
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 21
gcactcattc aacattgcta gcttatgttt ttgtttacgg agctcaag 48

<210> 22
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 22
catgccattg amaggtgaca caatag 26

<210> 23
<211> 47
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 23
gcgggtaccg tcgacggcca gatcggccat gagtaaagga gaagaac 47

<210> 24
<211> 41
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 24
gcggggcccat taatgcggcc gctcatttgt atagttcatc c 41

<210> 25
<211> 39
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 25
gcattaatta acatcatggt acagggcatt ctgtggcta 39

<210> 26
<211> 39
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 26
gcactcgagt tactcacttg atagatttc atagggtct

39

<210> 27
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 27
gcgttaatta aggccagatc ggccatgggc atcaagatgg gatca

45

<210> 28
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 28
gcgttaatta agcgccgcc taacactcat tcctgttgaa

40